Richa **Bhatia**

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Education

Northeastern University	*Boston, MA*
M.S. in Information Systems, GPA 3.68	*Sep. 2016 - PRESENT*

- Relevant Courses: Web Development tools and methods, Cloud Computing and Network Structures, Web Design and User Experience Engineering, Application Engineering and Design, Data Management and Database Design

Experience

PayPal Inc.	*Boston, M.A.*
Software Engineer Coop	*May 2017 - Dec. 2017*

- Developed a web application for Performance Analytics using Python Flask, AWS Boto3, Socket.io for creating on demand EC2 clusters on cloud for running JMeter Tests in instances and uploading the test results to Amazon S3
- Created the front end of the application using ReactJS, Bootstrap, jQuery and Webpack. Utilized LDAP login service to authenticate enterprise users along with AWS IAM role management
- Created Docker scripts to containerize the application in standalone environment
- Integrated Datadog on remote Tomcat servers using JMX Remote and Python scripts for collecting server metrics and health statistics

Tata Consultancy Services	*Mumbai, MH*
Software Developer	*Dec. 2013 - July 2016*

- Developed the front end for several hybrid mobile applications using HTML5, CSS 3, JavaScript, jQuery, Bootstrap, AngularJS and created the native builds for mobile platforms Android and iOS using Apache Cordova
- Extensively worked on RESTful web services, database integration and data parsing using JSON and XML formats Created Web service API to upload multiple image files to enable integration with Document Management System
- Implemented and deployed web services based on Java API using Jersey framework (JAX-RS technology), integrated SSL certificate, encryption algorithms and generated log files using Apache log4j using regular expressions
- Developed end points based on JAX-WS technology and created complex SOAP based web services using Apache Axis 2 framework and data parsing in XML format and constructed PDF reports based using iText library and Utilized JUnit for writing test cases

Academic Projects

Let-It-Go Application	*Boston, MA*
Core Member	*Jan. 2017 - Apr. 2017*

- Designed and built fault tolerant web application using Spring REST Web services hosted on Amazon Web Services
- Used Iaas, Paas and Saas services such as EC2, EBS, Route53, SES, ELB, CloudWatch, IAM, RDS, NoSQL DynamoDB and S3 Object Store
- Implemented Continuous Delivery using Github, TravisCI and Amazon CodeDeploy
- Gained understanding of DevOps and Site Reliability Engineering roles

Foodister	*Boston, MA*
Individual Project	*Jan. 2017 - Apr. 2017*

- Developed a Spring MVC and Hibernate web application for restaurant review and order management
- Created the responsive UI and client side validations using AngularJS, jQuery and AJAX
- Implemented Spring REST with HATEOS to create various APIs for login, fetching and searching restaurants, ratings and menu
- Secured the application using Spring Security interceptors, custom Hibernate filters and role based login

NUFinder Application	*Boston, MA*
Core Member	*Sep. 2016 - Dec. 2016*

- Deployed a full-stack web application using HTML5, CSS3, AngularJS, JavaScript, jQuery and Firebase
- Integrated Google Maps API to detect location, provide autocomplete suggestions based on user input and plot results on a map
- Created controllers, directives and filters using AngularJS

Kayak Database Management System   *Boston, MA*

Individual Project   *Sep. 2016 - Dec. 2016*

- Designed a database system in Microsoft Visio for Kayak.com's operations and performed analysis to gather search trends and increase bookings
- Implemented computed columns, table column encryption, triggers, constraints, pivots, views and stored procedures in Microsoft SQL Server
- Created detailed PowerBI reports for analysis of bookings, user search trends, user demographics and financial reports

Skills & Languages

Languages and Frameworks

Java, Python, Flask, Spring MVC, Spring Boot, Spring REST, AWS Boto3,

Web Technologies and Tools

HTML5, CSS3, JavaScript, AngularJS, ReactJS, jQuery, Node.js, Socket.io,

Tools and Services

CVS, Git, Travis CI, Maven, Gradle, Jira, Jenkins, Amazon Web Services, DataDog,

Database Management Systems

MySQL, Oracle, SQL, Google Firebase, MongoDB, DynamoDB, Hibernate,

Volunteer and Leadership Experience

NUGWC **Vice President**, Northeastern Grad Women Coders- a student body supporting women in Tech   *Jan. - Apr. 2017*

ACT-W **Tech Volunteer**, ChickTech's ACT-W Boston Conference- a STEM annual conference   *Aug. 2017*